

19991225.qrp v01_n680.qrl.991225

Date: Sat, 25 Dec 1999 19:03:05 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1680

QRP-L Digest 1680

Topics covered in this issue include:

- 1) [58771] Re: HELP--Beveridge Antenna Connection?
by S LYON <sslyon@worldnet.att.net>
- 2) [58772] IC-730 with filter for sale
by Jim/Julia <w7ls@blarg.net>
- 3) [58773] Re: AVAILABLE VANITY CALL SIGNS
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 4) [58774] Re: Old Hams & Help needed on 6L6 + 807
by "Donny" <dsirait@centrin.net.id>
- 5) [58775] some QRM tips
by RangerSF5@aol.com
- 6) [58776] Season's greetings
by "Russell A. Mumaw" <k3nlt@netreach.net>
- 7) [58777] Re: 2000
by Niels Jensen Kristjansson <nkristja@cadvision.com>
- 8) [58778] A great bunch
by "C. Lamar Derk" <n3at@noln.com>
- 9) [58779] Merry Christmass
by "Mark Hogan" <mhogan@email.msn.com>
- 10) [58780] [HeathKit] WTB Hw101 parts
by Drbob92031@aol.com
- 11) [58781] Re. Some QRM Tips
by Pete Burbank <plburbank@kih.net>
- 12) [58782] Re: Seasons Greetings
by Nv4t@aol.com
- 13) [58783] QRP and Vertical Antennas
by KD6AXT@cs.com
- 14) [58784] Re: QRP and Vertical Antennas
by Charles Greene <cgreene@loa.com>
- 15) [58785] Re: QRP and Vertical Antennas
by "Chuck Carpenter" <w5usj@globeco.net>
- 16) [58786] Selamat Ari X'mas Ngagai Kaban QRP-L
by "Sly (9M8SL)" <cqsly@tm.net.my>
- 17) [58787] RE: Masterpiece and more
by John R Kirby <n3aaz-qrp@juno.com>
- 18) [58788] RE: QRP and Vertical Antennas
by "Dan W. Dooley" <dandooley@pipeline.com>
- 19) [58789] Vert. ant.

- by tom whalen <wb5qyt@eFortress.com>
- 20) [58790] antenna restrictions/copper tube coils
by Drbob92031@aol.com
- 21) [58791] Re: 7040 Khz. Crystals
by John F Rayfield <kr0y@juno.com>
- 22) [58792] Re: 7040 Khz. Crystals
by John F Rayfield <kr0y@juno.com>
- 23) [58793] Poquet PC
by Rick Sealey <rsealey@InfoAve.Net>
- 24) [58794] Remember when?
by Nils R Young <nilsbull@juno.com>
- 25) [58795] Thanks for Vertical info
by KD6AXT@cs.com
- 26) [58796] Re: LOG/QSL programs
by Shepherd@aol.com
- 27) [58797] Re: Receivers
by Ray Colbert <af852@rgfn.epcc.edu>
- 28) [58798] Merry Christmas
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 29) [58799] HOLIDAY GREETINGS
by Barry J Minsky <w2bj@juno.com>
- 30) [58800] Re: [Elecrafft] PA standoffs & further mods
by Nils R Young <nilsbull@juno.com>
- 31) [58801] Looking for QRM tips
by "Mike Yetsko" <myetsko@insydesw.com>
- 32) [58802] Re: QRP and Vertical Antennas
by Bill Jones <kd7s@psnw.com>
- 33) [58803] Holiday Greetings
by "J. Ervin Bates" <w8erv@email.msn.com>
- 34) [58804] Antennas: Re: QRP and Vertical Antennas (long)
by "James R. Duffey" <jamesd1@flash.net>
- 35) [58805] Re: antenna restrictions/copper tube coils
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 36) [58806] Re: 7040 Khz. Crystals
by John F Rayfield <kr0y@juno.com>
- 37) [58807] Re: AVAILABLE VANITY CALL SIGNS
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 38) [58808] Re: QRP and Vertical Antennas
by Tim Young <kc7eay@gte.net>
- 39) [58809] Review: The ARRL Antenna Compendium Vol. 6
by "James R. Duffey" <jamesd1@flash.net>
- 40) [58810] LC Frequency Formula Program
by Lee Bahr <bahr521@earthlink.net>
- 41) [58811] Re: antenna restrictions/copper tube coils
by wj5o@juno.com
- 42) [58812] Who sells Kent paddles?
by Rich Mulvey <mulveyr@iname.com>
- 43) [58813] Re: LC Frequency Formula Program

by "Radman" <radman@best.com>

Date: Sat, 25 Dec 1999 07:17:59 -0500
From: S LYON <sslyon@worldnet.att.net>
To: 70511.3041@compuserve.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58771] Re: HELP--Beveridge Antenna Connection?
Message-ID: <3864B5F7.365D87A1@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's best to go thru a tuner. The impedance diff between indiv. ants is significant, esp. re directional characteristics. Terminating resistors range from 500 to 900 ohms, usually. A 4:1, 6:1, or 9:1 toroidal matching transformer is often used to bring it within range of coax.

72

-s-

"Wilford D. Lindsey" wrote:

>

> Gang:

>

> Need lots of help with this :-)--How do you connect a Beveridge antenna to
> a rig without a "receiving antenna" jack? Can someone point me to a site
> or book with this info? Thanks in advance.

>

> Happy holidays to one and all. Thanks for all the ham radio assistance I
> have received during this past year.

>

> 72,

> --Doc Lindsey/K0EVZ

> DSBF

> PO BOX 6028

> Bismarck, ND 58506

> K0EVZ@arrl.net

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Fri, 24 Dec 1999 16:34:16 -0800

From: Jim/Julia <w7ls@blarg.net>
To: qrp-l@lehigh.edu
Subject: [58772] IC-730 with filter for sale
Message-ID: <38641108.D806F7AE@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Looking to sell my Icom IC-730 HF transceiver. Covers 80-10 meters, with all WARC bands. Rig is in very nice shape and works quite well. No detectable problems with it. Modes are LSB, USB, CW, and AM. It is small, but not quite as small as a IC-706 or TS-50. It has variable IF passband tuning, dual vfo's, etc.

\$400 plus shipping, with the FL-45 narrow CW filter installed or \$350 without. Oh, it comes with the HM-7 microphone and original manual with schematics and parts layout.

73 de Jim, W7LS

Date: Sat, 25 Dec 1999 11:38:38 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58773] Re: AVAILABLE VANITY CALL SIGNS
Message-ID: <3864120E.6DB1E74A@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Radman wrote:

> (C)onrad (W)eiss - NN6CW < that's a vanity call ;) !

So is VK2TIP (I)an (P)urdie who will always give "ya the tip mate" - actually I fluked it - the call sign that is.

Merry Christmas

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00" E
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/> URL -
<http://www.qsl.net/vk2tip/>

Date: Sat, 25 Dec 1999 01:19:05 +0700
From: "Donny" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58774] Re: Old Hams & Help needed on 6L6 + 807
Message-ID: <000201bf4e73\$4d848800\$47f992ca@donny>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear Folks & hollow state lovers,

Yes the 400 V bring a lot of the old yesteryears
memory back to live hi hi.

However I wonder if any of this list member
have a copy of the QST January 1949 article
of a 6L6 VFO driving a 807 transmitter or any
transmitter schematic diagram of similar design.
I am thinking of making a return trip to the old
yesteryears (actually I'm not that old but I start
my ham career from 6L6, 807 and 6146Bs)

I would appreciate if any of you folks can
help me on geting the article.

As usuall I Thank you all for your kind help
and attention.

Have a nice holidays and don't drink too much.

vy 72 de Donny YB6LD/1
Bekasi Indonesia

Date: Fri, 24 Dec 1999 20:41:40 EST
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [58775] some QRM tips
Message-ID: <0.31c21ec7.25957ad4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang,
For a city QTH,

It took me almost 6 months but i'm now QRM free untill today and I tracked that down.

Things I found that created my problems and all were with in 300 feet of me/

1 Corroded blades on electrical knife switches.

2.Touch sensor lamps.

3.Dimmer switches.

4.Fish tank pumps and heaters.

5 Relay for the gas heater in a neighbors home.

7.Answering machine.

8.External modem.

9.VCR even when turned off.

10.Tape heater ...Worst QRM creator

Some of the devices were very low in QRM and I really had to plaster my ear to hear it.

Today I had an *S* 9+ QRM and it took all day but I located it.

It was that light sensor sold by RS.

You screw it into the bulb socket and then screw in the bulb.

I don't remember how many times I looked at that thing before I decided to check it out.

It found a nice home in the trash can.

Also my neighbor below me installed a dimmer switch and I removed it after telling him what a big fire hazard they are.

My *S* meter now rest on almost ZERO and it's nice to hear the QRN and no QRM.

This afternoon I a worked a QRP station and he was 5 watts and 579 here.

I never would have heard him if I didn't check out that light sensor.

My external modem gives me a *S* 3 when the machine is off but the modem left on.

Now I just stay on top of the QRM and utility Co.

It also helps to let you'r neighbors know how these devices can burst into flames without warning.

This works better then * are you aware that this is in violation *PART 15*?

Bob

WA2HOQrp <tm>

Merry Christmas to all and a Happy bug free Y2K.

Date: Fri, 24 Dec 1999 21:52:58 -0500

From: "Russell A. Mumaw" <k3nlt@netreach.net>

To: <qrp-1@Lehigh.EDU>

Subject: [58776] Season's greetings

Message-ID: <199912250251.VAA589028@nss4.cc.lehigh.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

This is my first post to list. I wish all a Merry Christmas. de Russ K3NLT

Date: Fri, 24 Dec 1999 20:22:07 -0700
From: Niels Jensen Kristjansson <nkristja@cadvision.com>
To: qrp-l@Lehigh.EDU
Subject: [58777] Re: 2000
Message-ID: <1.5.4.16.19991224212158.1adff060@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Chew in this one gang.

Gle=F0ileg J=F3l og fars=E6lt komandi =E1r.

De N=EDels
VE6NJK/TF3NJ

>
>> Prettige Kerstdagen en een Gelukkig Nieuwjaar (my wishes=20
>> into Dutch).
>
>And mine in Danish:
>
>Gl=E6delig Jul og godt Nyt=E5r
>
>

Date: Fri, 24 Dec 1999 22:26:15 -0500
From: "C. Lamar Derk" <n3at@no1n.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58778] A great bunch
Message-ID: <38643957.D858114C@no1n.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This QRP-L reflector is one of the best things that has come along in ham radio. Today I asked for help on a project, and within a few hours

the needed information was sent to me by two fellows!!! It has solved my problem, and I am grateful for that. I hope that I may in some way be able to help others as I have been helped.

72 de Lamar, N3AT

Date: Fri, 24 Dec 1999 21:30:20 -0600
From: "Mark Hogan" <mhogan@email.msn.com>
To: "Low Power" <qrp-l@Lehigh.EDU>, "Bullseye Digest" <bullseye-l-digest@lava.net>, "Airgun" <AIRGUN.LIST@AIRGUNHQ.COM>
Subject: [58779] Merry Christmass
Message-ID: <013a01bf4e88\$6047cbe0\$81111b3f@compaq>

Merry Christmas and happy holidays to all.

Hope you all get every piece of bullseye, airgun or ham gear you wished for...

Mark Hogan

Date: Sat, 25 Dec 1999 00:15:12 EST
From: Drbob92031@aol.com
To: ve7rik@midbc.com, QRP-L@lehigh.edu
Subject: [58780] [HeathKit] WTB Hw101 parts
Message-ID: <0.70eb1dc9.2595ace0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Rick;
If noone finds the large "O" rings (belts for you I would suggest to you what I did.
Either go to a large hardware store and look for "O" rings of the required size ot try a store that dealsd in repairing vacuum cleaners and dee what size belts they carry. The vacuum stor bit worked for me.
Good luck;
72/73..de Bob..WA2EAW

Date: Sat, 25 Dec 1999 00:35:57 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [58781] Re. Some QRM Tips
Message-ID: <3.0.32.19991225003552.0071ff34@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bob,
I and more than likely a few other list members would like
to hear more about your method of tracking down noise sources.
It sounds like you are pretty good at it.
73 And Happy Holidays To All
Pete NV4V

Date: Sat, 25 Dec 1999 00:34:27 EST
From: Nv4t@aol.com
To: n9qil@juno.com, qrp-1@lehigh.edu
Subject: [58782] Re: Seasons Greetings
Message-ID: <0.c4fd2f65.2595b163@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

not ouch- it's 00000000IIIIIIIIIIIIIIII !

Date: Sat, 25 Dec 1999 00:41:35 EST
From: KD6AXT@cs.com
To: qrp-1@lehigh.edu
Subject: [58783] QRP and Vertical Antennas
Message-ID: <0.a013a6d.2595b30f@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I'm a new QRP'er and I'd be interested in impressions of others on the list
using vertical antennas. Is there a multiband vertical that seems to work
better at low power levels? Any clear favorites among the various commercial
multiband vertical antennas ?

Thanks

Dan

KD6AXT

Date: Sat, 25 Dec 1999 07:01:34 -0500
From: Charles Greene <cgreene@loa.com>
To: KD6AXT@cs.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58784] Re: QRP and Vertical Antennas
Message-ID: <4.2.2.19991225055400.00a5e7e0@mail.loa.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:41 AM 12/25/99 -0500, KD6AXT@cs.com wrote:

>I'm a new QRP'er and I'd be interested in impressions of others on the list
>using vertical antennas. Is there a multiband vertical that seems to work
>better at low power levels? Any clear favorites among the various commercial
>multiband vertical antennas ?

I have been using a Hustler 6BTV vertical for the last 15 years. It works very well 40 up. Does not have 12 or 18 meters. In comparison with a W3EDP horizontal antenna (85' end fed wire), it is better on 15 - 40. On 10, the horizontal, being directional, is better in some directions and the vertical in others. The horizontal is better on 80. The vertical gives me great reports from DX, and is less noise on all bands than the horizontal.

I have 22 buried radials average length about 20'. You can also mount it up like on a roof top with 4 or more radials.

It's cheaper than some of the other vertical antennas, and is pretty robust, as it has been in service here in a salt water environment with lots of wind with only two failures (one trap broke last summer and the 75 meter loading coil stripped its threads last week and has to be replaced) but parts are readily available from Newtronics or a dealer.

Try PSK31. Check: <http://aintel.bi.ehu.es/psk31.html>
and May 99 QST. K2 S/N 462.

Chas, W1CG

Rhode Island TCPIP Address Coordinator
w1cg@arrl.net

Date: Sat, 25 Dec 1999 06:16:48 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: KD6AXT@cs.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58785] Re: QRP and Vertical Antennas
Message-ID: <3.0.2.32.19991225061648.007ad1f0@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dan et al,

I'm partial to the Butternut verticals. The one I'm using now is the HF9V model that has 80 through 6 including all WARC bands. Because of the coil design and mounting, I feel as do others, that it is a more efficient design. I have mine ground mounted with plenty of radials on the ground too. It's not as easy to adjust as I would like it to be and the use of a antenna meter like the MFJ would make the job much easier. It's rugged and has held up well in some of the high velocity winds we get around here from intense storms.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sat, 25 Dec 1999 20:21:24 +0800
From: "Sly (9M8SL)" <cqsly@tm.net.my>
To: Low.Power.Amateur.Radio.Discussion" <qrp-l@Lehigh.EDU>"@nss4.cc.lehigh.edu
Subject: [58786] Selamat Ari X'mas Ngagai Kaban QRP-L
Message-ID: <19991225122124.KRC019598@user>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Just wanna to say "Merry X'mas to All QRP-L Friends" in our native tongue.
Tks fer ur friendships and sincere assistances in 'Educating Sly' !!!

"Friends are angels who lift us to our feet when our wings have trouble remembering how to fly." - Anonymous.

de Sly, 9M8SL
Borneo Island, East Malaysia.

Date: Sat, 25 Dec 1999 07:35:03 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [58787] RE: Masterpiece and more
Message-ID: <19991225.073845.-237063.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Tnx to all for the input. . .

Remember "gimmick" as in triode. . .

Why use a gimmick?

6146
John
N3AAZ
FM19xa

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 25 Dec 1999 08:37:14 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <w5usj@globeco.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58788] RE: QRP and Vertical Antennas
Message-ID: <000101bf4ee5\$891b2c80\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

I'll second that; on the Butternut HF9V. I've got mine elevated. The base

is about 16 ft up and I use tuned radials for the bands.

My feelings also, that such large sturdy coils would just have to be somewhat more efficient (less loss) than smaller ones, or traps.

Tuning is a little tedious. Without a 259B, it would be a lot of guessing at best, but I think the long term results of good performance is worth the added effort. I'd buy it again.

On the higher freq. bands, I'd like to have a beam. If I can't have that, for me at least, this works the best.

Merry Christmas to all. Tnx fer a great year of really good useful info and the camaraderie with all on this list.

Dan W. Dooley - WB5TKA Y2K Complacent
e-mail to: <mailto:dandooley@pipeline.com>
Si Hoc Legere Scis Nimium Eruditionis Habes

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> Chuck Carpenter

> Sent: Saturday, December 25, 1999 6:17 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: QRP and Vertical Antennas

>

>

> Dan et al,

>

> I'm partial to the Butternut verticals. The one I'm using now is the HF9V

> model that has 80 through 6 including all WARC bands. Because of the coil

> design and mounting, I feel as do others , that it is a more efficient

> design. I have mine ground mounted with plenty of radials on the ground

> too. It's not as easy to adjust as I would like it to be and the use of a

> antenna meter like the MFJ would make the job much easier. It's

> rugged and

> has held up well in some of the high velocity winds we get around

> here from

> intense storms.

>

>

> Chuck Carpenter, EM22cv, Point, Rains County, Texas

>

Date: Fri, 24 Dec 1999 12:36:04 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58789] Vert. ant.
Message-ID: <3863CB24.25DF@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Although I do own some commercial verticals, my favorite is homebrew.

I'm using a 22' vertical with 4 elevated(12') 22' radials. I feed it with 450 ohm balanced line. Use it 80 thru 10 meters.
Using an old cb 5/8 vertical with some extra tubing. Don't forget to gut the base of these GP's and take out the matching coil, otherwise you will have problems on the lower freq's.

Merry Christmas to all! Snowing here in Albuquerque. 72, Tom WB5QYT

Date: Sat, 25 Dec 1999 10:13:18 EST
From: Drbob92031@aol.com
To: QRP-L@lehigh.edu
Subject: [58790] antenna restrictions/copper tube coils
Message-ID: <0.7911d60e.2596390e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Will and other HBers;

Will wrote:

<<6) Form the copper tubing into a coil, using a 4 to 6 inch can as a former (*not* as a core, just as a *former* while the coil is being made), at a pitch of between a half and a whole inch per turn. The coil will probably *not* require any type of reinforcement due to the rigidity of the copper. Weather of the type that ordinarily might bend/knarl an open coil is not much of a factor here in the Arizona desert.>>

I found that in making a coil from narrow diameter hollow tubing, on occasion the hollow tube may "kink". To avoid this; I filled the hollow tube with any "pourable" substance. eg: sand, plain earth etc. this will prevent

the "kinking" when bending the hollow tubing.. When finished you can pour out the material.

Bob...WA2EAW

Date: Sat, 25 Dec 1999 09:37:45 CST
From: John F Rayfield <kr0y@juno.com>
To: K2UD@aol.com, qrp-1@Lehigh.EDU
Subject: [58791] Re: 7040 Khz. Crystals
Message-ID: <19991225.094044.3382.1.kr0y@juno.com>

>Dan's Small Parts might have them. So too, Pat Dunn at 624 kits, if
>they're still around.

>Howard Kraus, K2UD

Howard, do you have Dan's and Pat's web site addresses?

John - KR0Y

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 25 Dec 1999 09:36:23 CST
From: John F Rayfield <kr0y@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [58792] Re: 7040 Khz. Crystals
Message-ID: <19991225.094044.3382.0.kr0y@juno.com>

>We have crystals@ \$3.00 each, 7040, 71something, and 10.116. Price
>includes first class mail. I think you will find other sources are
seven or
>eight dollars, and up, each. To be able to provide them for this price,
we
>buy a thousand at a whack.

So far, \$3 per crystal is the best price that I've found.

>If you do find a cheaper price, I am curious to know about it, and I am
not being >smart alecky is saying that, nor trying to make a hard sell.

I wouldn't have thought that - I understand. If I could find a source of

them, in quantities less than 1000, for less than \$7 or \$8 a piece, you might be able to get an even better deal than you've got now. <g> If I find anything else, I'll let you know, but I think you're right - I won't find anything less than what you've already found (and offer).

Thanks.

73...

John - KR0Y

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 25 Dec 1999 10:49:24 -0500

From: Rick Sealey <rsealey@InfoAve.Net>

To: qrp-l@lehigh.edu

Subject: [58793] Poquet PC

Message-ID: <4.1.19991225104715.0094ab30@mail.infoave.net>

MIME-version: 1.0

Content-type: text/plain; charset="us-ascii"

Where was the source for buying the Poquet PC?

Thanks in advance.

Rick - W4SEA

High Point, NC

Date: Sat, 25 Dec 1999 10:43:31 -0500

From: Nils R Young <nilsbull@juno.com>

To: QRP-L@lehigh.edu

Subject: [58794] Remember when?

Message-ID: <19991225.104437.-204041.1.nilsbull@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Greetings, Marklars!

Happy Marklar to you. I hope that you got all the marklars that you

wanted from Marklar. I sure did, and in the most interesting marklars. Which is another marklar . . .

Remember those big wooden AM/SW (and sometimes /FM) radios that military folks used to bring back from a tour in Germany or France or whatever? Grundig. Blaupunkt, Radionette, Tanberg, a whole list of 'em that looked like living room furniture but which tuned through all the longwave & medium wave stations with little markers on the dial for Oslo or Luxembourg or Vatican or Norddeutsche Rundfunk? Nice wood boxes, nice sounds?

Well, as you well might expect while the boomers like me get older, those radios are scoring a come-back. You can get 'em from places on the web, from yup-scale stores in the fancy new malls that are mauling the countryside. So I got one for Christmas. Nice box. Good sound. Little squares on the front dial panel for Germany or France or Vatican. No distinct labels for NDR or NRK or rhus or whatever. But still a nice box.

So I get the box, take it up the office, thinking all the while "It's either a piece of phenolic with discrete components run through the wave slobberer & then trimmed on the board saw, or it's a piece of epoxy glass with SMD and plated through whatevers."

If I put an external antenna on it, it hears SW real well. So well that I'm getting the megawatt big hootie powa religious station from Florida all across the band. So I hook up the Z-match & try to get some preselectivity out of it. All I get is marginal performance. So I take out the screwdriver & release the back panel from its bondage. And what do you think I find on the back panel, at the two places where an external antenna can be hosed up? (Two places: one a mini headphone jack & the other two screw terminals on a barrier strip.) What do you think it has?

No ground.

Yep. The ground line is on the barrier strip but is not connected to the mini jack. So the ATU, which has a link & ground position, does not carry through to the receiver antenna line if I plug the tuner through a piece of special made coax (BNC on one end, mini mono plug on the other) into the antenna hole on the back of the box.

Remember when those radios were so cool? Bullet proof? WIth built in preselectors? And they cost, what? Five hundred bucks gringo? Well, they're back. And they cost about \$200-\$400 gringo. But they ain't as well made in the RF world.

So I should complain? Nope. I just got out the slobbering iron & hosed it

up the way it were supposed to be, like back in the 50s when I was 10 or 12 & knew that you had to have a continuous ground hosed up to the radio. Which had a preselector built in.

So much for nostalgia. Time for Cindy's famous Christmas morning cheese soup & rolls.

Merry Chirstmas y'all. Tune 'em up!

73

Nils

. . . who did get a lot of neat stuff . . . which works too . . .

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

<http://home.fiberia.com/wb8ijn> -- WB8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 25 Dec 1999 11:24:08 EST

From: KD6AXT@cs.com

To: qrp-1@lehigh.edu

Subject: [58795] Thanks for Vertical info

Message-ID: <0.6abdf990.259649a8@cs.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Thanks to all who replied to my question about using a vertical. Its was very encouraging since that appears to be my best shot a an effective but stealthy antenna here.

Happy Hollidays

Dan

Date: Sat, 25 Dec 1999 12:35:46 EST
From: Shepherd@aol.com
To: qrp-1@lehigh.edu
Subject: [58796] Re: LOG/QSL programs
Message-ID: <0.7afeb08f.25965a72@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

To all who requested a copy of my Access 97 file for logging QSO's (and it was a bunch), I have placed it on my FTP site. You can follow this link:
<http://members.aol.com/shepherd/hamlog.zip>

If this does not work, let me know and I'll e-mail it to you.
Thanks and Merry Christmas.

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667
<http://members.aol.com/shepherd/n8ie.htm>

Date: Fri, 24 Dec 1999 03:08:00 -0700
From: Ray Colbert <af852@rgfn.epcc.edu>
To: tgriff90@colla.com
Subject: [58797] Re: Receivers
Message-ID: <38634600.DCA5CFA@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I recall that Doug DeMaw did several articles in the past using convertors with small battery bc radios, also did an external bfo as well. I don't have specific articles at hand at the moment, but they were in QST and more recently in Monitoring Times. There was also at least one article in Electronic Illustrated (late 60's-early 70's vintage) with a bc radio/bfo/convertor and a qrp transistor transmitter. I will post references later if I am able to locate them.

--
"The more I see of the representatives of the people,
the more I admire my dogs."
letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, OOTC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Sat, 25 Dec 1999 17:46:21 -0000
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "GQRP-L" <gqrp@onelist.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [58798] Merry Christmas
Message-ID: <012501bf4eff\$f681ec40\$64a932d4@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hope you all enjoy Christmas and the new year, Should be on the QRP freq's
for the G QRP Winter Sports.
Also thanks to all who work behind the scenes for us in the G QRP Club,
especially George G3RJV and the G QRP Club Committee..
Looking forward to the next Sprat due here any day now and thanks to all who
do their bit in preparing it.
Best wishes QRPers every where and their families.

...
Frank G3YCC
QRP web page <http://www.g3ycc.karoo.net>
Hundreds of links updated and checked every week, the only site you ever
will need!

Date: Sat, 25 Dec 1999 13:16:10 -0500
From: Barry J Minsky <w2bj@juno.com>
To: cw@qth.net, forsale-swap@qth.net, qrp@qth.net, qrp-l@lehigh.edu,
elecrafft@qth.net
Subject: [58799] HOLIDAY GREETINGS
Message-ID: <19991225.131617.-215127.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

To All of My Great Ham Friends,
God bless you and give you a great Christmas and a happy New Year.
72/73,
Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century
Club #569, Platinum #51, FISTS CW Club of Coastal Georgia, Knightlites,
Adventure Radio Society #359,
Six Club #151, QCWA #29298, OOTC #3723

Date: Sat, 25 Dec 1999 13:05:19 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [58800] Re: [Elecraft] PA standoffs & further mods
Message-ID: <19991225.130719.-567033.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Jeff,

I gave 'em four choice. One each W8IJN, K8IJN, N8JRS, and my old Puerto Rico call upgraded to non-novice, KP4DKA.

I was looking for something shorter, more codgerly & with a certain panache. The KP4 call would be an instant hit, especially with my midwestern drawl splayed out across 2.3 kHz of SSB. The first two were self-evident contractions of the present one, but the third (N8JRS) is the callsign of the now decommissioned ship upon which I sailed the oceans blue, grey & aquamarine, USS Saratoga. The unclassified call for Sara was NJRS.

>From what I'm able to see so far, W8IJN may be the winning stroke. Which will mean that I'll have to print new QSLs, since I have to anyway for the Y2K date line on the cards being superceded. And crossing out the B with an indelible marker will be just too gauche. But then, I am gauche, being left handed and all. And I think I was a gaucho in a past life.

Fear not, brethren & sistern, for I have chosen only calls that make sense . . . at least to me.

Hi-dee-ho! Don't you all just smell like purty flowers!

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://home.fiberia.com/wb8ijn> -- WB8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 25 Dec 1999 13:34:23 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58801] Looking for QRM tips
Message-ID: <003601bf4f06\$d9583d20\$0569fea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK, we've all seen individual tips. Now I'm looking to put together a selection of tips on 'thermostats'. Gee, can you tell I have a specific problem I'm trying to solve?

But I figure it might be a good idea to have people give their tips for specific types of QRM.

And if I get a decent response, I'll put them together by type.

So, for a start, how about QRM tips to solve 'thermostat' problems...

Mike

Date: Sat, 25 Dec 1999 11:14:01 -0800
From: Bill Jones <kd7s@psnw.com>
To: KD6AXT@cs.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58802] Re: QRP and Vertical Antennas
Message-ID: <38651779.C4908D36@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have been using a Butternut HF6V-X, roof mounted for several years and am very impressed with its performance. It is sitting over a total of 18 radials (four per band 40, 20, 30 and 10) plus two for 80 meters. The 40 meter radials work on 15. It does not have 18 and 12 meter capabilities as it stands. I have

worked well over a hundred countries (QRP) with it. It won't replace a beam but it sure works well for me.

KD6AXT@cs.com wrote:

> I'm a new QRP'er and I'd be interested in impressions of others on the list
> using vertical antennas. Is there a multiband vertical that seems to work
> better at low power levels? Any clear favorites among the various commercial
> multiband vertical antennas ?

>

> Thanks

>

> Dan

>

> KD6AXT

--

=====

Bill Jones - KD7S - <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Sat, 25 Dec 1999 14:20:31 -0500
From: "J. Ervin Bates" <w8erv@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58803] Holiday Greetings
Message-ID: <001b01bf4f0d\$1cdbcfc0\$f1451b3f@win98>

>From all of us at the W8ERV QTH, a blessed, safe and peace-filled Christmas,
Chanukkah, Kwanzaa, Ramadan Wish. (hope I spelled those right).

Vy 72/73,
Erv and Family W8ERV

Date: Sat, 25 Dec 1999 13:23:43 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l@lehigh.edu
Cc: KD6AXT@cs.com

Subject: [58804] Antennas: Re: QRP and Vertical Antennas (long)
Message-ID: <199912252023.0AA12388@bunyip.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
Content-transfer-encoding: quoted-printable

Dan - You asked:

"Is there a multiband vertical that seems to work better at low power levels? Any clear favorites among the various commercial multiband vertical antennas?"

Verticals are useful antennas at any power level, QRP or QRO. W1ICP, Lew McCoy, noted QST Novice Editor of my youth used to quip that "verticals radiate equally poorly in all directions". But verticals are useful antennas and with some care they will give good results.

Multiband antennas are compromises and one needs to understand the compromises that are made.

I had a phased array consisting of three HyGain 14AVQs when I was a novice and young general back in the mid 60s. This was a good performing antenna. Each vertical had 16 33 ft radials, so the ground was probably "above average" as far as vertical installations go. A good ground is the key to good performing antennas.

My dad still has one of these antennas in use so they are good performers and built well. One antenna succumbed to a high windstorm about 1977 or so. The trap broke. Dad gave it to a local ham who fixed the trap and reerected the antenna. This antenna was replaced with a Butternut HF6V (I think).

A second vertical fell to vandals on homecoming eve about 10 years later. It was replaced with a Cushcraft R-5.

I helped erect the R-5 and had the opportunity to do some comparison testing with the three different antennas. The R-5 performed best, the 14AVQ was next, and the Butternut brought up the rear. The differences were not large, but were measureable. Of course the R-5 only covered 20 - 10, the Hy-Gain and Butternut did not include the WARC bands, and the Butternut did cover 80 M.

There are some things to consider when using these multiband antennas:

1. A good ground is required.

Although people use verticals with no ground or just a ground rod, they perform better with radials. If the vertical is ground mounted, then lots of radials should be used. With radials on the ground resonant lengths are not required. You can consult the ARRL Handbook, ARRL Antenna Book, or ON4UN's low band book for information on radials for ground mounted verticals.

A good rule of thumb is to make the radials at least as long as the antenna is tall. A second rule of thumb is to make the length and number of radials such that there is about 0.05 wavelength between the ends of the radials. This rule of thumb takes care of making radials longer as the number of radials increases. The radials do not need to all be the same length. They do not need to be of the same material. It is useful to tie in other conducting materials such as chain link fences into the radial system. Copper wire is usually cheapest from a metals surplus dealer where you can buy it by the pound. House wire from Home Depot is also useful and probably the next cheapest source. Diameter is not a big factor, but it needs to be big enough to handle and not break. Insulated wire works just fine. Avoid steel wire. Aluminum is OK, but if you have alkaline soil it can deteriorate quickly. The easiest way to bury radials is with a lawn edger. These can usually be rented.

This is true for quarter wave verticals. For half wave verticals, longer radials, say $3/8$ to $1/2$ wavelength are required to see much improvement. This is because the ground currents for a half wave vertical peak at about $3/8$ wavelength from the antenna, not at the antenna base as in a quarter wave vertical.

2. Like all antennas, verticals will perform better the higher they are erected. When erected high, resonant radials are necessary. At least 2 should be used per band. Some people use radials shorter than the necessary physical length and bring them to resonance by a coil. A vertical antenna erected on the roof of even a one story house or garage will out perform one mounted on the ground. Be sure that the antenna is at DC ground for lightning protection. The 14AVQ has a RF choke across the feedpoint to provide this, but a high value resistor will do fine. For roof mounted antennas the newer "half wave" verticals such as the afore mentioned R-5 and R-7000 do not have much of an advantage over the older quarter wave verticals such as the 14AVQ, Hustler BTV and Butternuts.

3. It is important to eliminate feedline radiation with a vertical. A choke balun should be used in the feedline at the feed point. This can be a coil of coax (see the handbook for details), coax wound on a ferrite core, or ferrite beads slipped over the braid of the coax. This choke can prevent a number of maladies attributed to verticals including excess noise pickup.

4. Use high quality feedline. This is true for any antenna. I recommend RG-213 for HF use, although 8X is OK too.

5. Realize that any multiband antenna is a compromise. For multiband verticals there are several compromises. The antenna is shorter than a full quarter wavelength. This affects 40 M efficiency the most, but the efficiency is usually acceptable. On 15 M and above a dipole erected at the same height will out perform the vertical, at least in the preferred direction of the dipole. The answer is to have several antennas. A ground mounted vertical supplemented by dipoles erected for the higher bands is very useful. One will note that the sometimes the vertical is best and soemtimes the dipole is best. Also do not expect good performance from the vertical for close in (less than 700 miles or so) signals.

6. If you want to experiment with veritcals I suggest getting a SD-20 or Black Widow 20 ft fishing pole. Lay down some radials in the backyard and use the pole as a base for a vertical. Build a base similar to that used by the SLV. Cut quarter wave wires for each band. Attach the appropriate wire to the pole when you want to operate any given band. Lay the unused wires o=
n
the ground for radials. This works ok for 30 M and above, but on 40 M you will need to add some loading. Joe, AB7TT uses such an antenna. I call it the spudboy special. This whole setup will cost you less than \$30. You can always use it portable if you get another antenna.

7. Another choice for a vertical multiband antenna is a remote antenna tune=
r
and 22 ft vertical made from aluminum tubing. An old 5/8 CB antenna (with the base coil remover) can be pressed into use if you can find one cheap. Feed the antenna from the base against a good ground system. This will geiv=
e
good results from 40 M to 10=A0M and has the advantage of being home made. It will also load on 80 M, but it will not be efficient on that band. LDG make=
s
a tuner that can be remoted easily. This entire setup will cost you less than many multiband verticals. If you don't like it you can use the tuner with other antennas and build other antennas from the tubing.

I hope that this is useful Remember use a good ground. - Dr. Megacycle
KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 26 Dec 1999 07:34:58 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58805] Re: antenna restrictions/copper tube coils
Message-ID: <38652A72.37ADB611@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Drbob92031@aol.com wrote:

> I found that in making a coil from narrow diameter hollow tubing, on
> occasion the hollow tube may "kink". To avoid this; I filled the hollow tube
> with any "pourable" substance. eg: sand, plain earth etc. this will prevent
> the "kinking" when bending the hollow tubing.. When finished you can pour out
> the material.

Us plumbers use extremely dry sand when bending tube, particularly if using heat. The operative words are "extremely dry" if you consider using heat as an aid to bending. The sand is retained in the pipe with cotton wadding (or similar) at one end and the tube gently tapped to allow the sand to settle further into the pipe and finally sealed with cotton wadding again

Sand, or any material for that matter, which is slightly moist and trapped in tube to which heat is being applied is likely to explode. On this count you better believe me, it is highly dangerous. Usual precautions. BTW never try to bend to a radius less than 5 pipe diameters.

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00" E
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/> URL - <http://www.qsl.net/vk2tip/>

Date: Sat, 25 Dec 1999 14:42:19 CST
From: John F Rayfield <kr0y@juno.com>
To: rob3ert@thegrid.net, qrp-l@Lehigh.EDU
Subject: [58806] Re: 7040 Khz. Crystals
Message-ID: <19991225.144221.20398.0.kr0y@juno.com>

On Sat, 25 Dec 1999 08:16:55 -0500 Bob Parks <rob3ert@thegrid.net>
writes:

>Alright John,
>Who has the xtals for \$3.00?
>Regards es 72/73.
>
>Bob Parks
>K6AEC (Las Vegas, NV)

Norcal.

John - KR0Y

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 25 Dec 1999 16:40:36 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: Radman <radman@best.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58807] Re: AVAILABLE VANITY CALL SIGNS
Message-ID: <386539D3.AF136B6A@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Radman wrote:

> You wrote: >What's a vanity call?>
>

Hey everybody...I was only kidding.

Last time I looked the call on my license was N5HF.....

When I received this call ('77 maybe) there was no charge associated with it.

Sorry for stirring things up.

Henry

Date: Sat, 25 Dec 1999 13:32:35 -0800
From: Tim Young <kc7eay@gte.net>
To: kd7s@psnw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58808] Re: QRP and Vertical Antennas
Message-ID: <386537F2.50ED8DBC@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill, I have a friend who is planing on mounting a Butternut on his roof. I'm not sure of the model, but having no experience with such an antenna, I am of not much help. You say you have 18 radials, now if he mounts his antenna on the peak of the roof would he just lay the radials on the roof with say, 10 gauge insulated wire? Thanks for your help

Bill Jones wrote:

> I have been using a Butternut HF6V-X, roof mounted for several years and am very
> impressed with its performance. It is sitting over a total of 18 radials (four
> per band 40, 20, 30 and 10) plus two for 80 meters. The 40 meter radials work
> on 15. It does not have 18 and 12 meter capabilities as it stands. I have
> worked well over a hundred countries (QRP) with it. It won't replace a beam but
> it sure works well for me.

>
> KD6AXT@cs.com wrote:

>
> > I'm a new QRP'er and I'd be interested in impressions of others on the list
> > using vertical antennas. Is there a multiband vertical that seems to work
> > better at low power levels? Any clear favorites among the various commercial
> > multiband vertical antennas ?

> >
> > Thanks

> >
> > Dan

> >
> > KD6AXT

>
> --

> =====
> Bill Jones - KD7S - <><
> Sanger, California
> <http://www.psnw.com/~kd7s>
> =====

--

73 Tim, kc7eay Fists#5961 ARCI#9872 QRPp#2423

Remember..... "Without CW it's just CB"

Date: Sat, 25 Dec 1999 15:04:54 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: Qrp-l@lehigh.edu
Subject: [58809] Review: The ARRL Antenna Compendium Vol. 6
Message-ID: <199912252204.QAA22178@bunyip.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The last time I posted a favorable review of an ARRL publication I received a lot of E-mail complaining about some of the things I had said that were not so favorable. Lets see if we can get it right this time. This is a book review, not a commentary on the ARRL.

The Antenna Compendium series is, in my opinion, one of the most useful set of publications that the ARRL produces. Volume 6 is no exception.

The first volume of the series appeared in 1985 and has been in print ever since. Fifteen years is a long time for a technical publication to stay in print. The articles usually contain information on new antenna concepts or on antennas that are not explained satisfactorily elsewhere in print. Notable articles that have appeared in the compendium include W7EL's balun article, G5RV's article on his G5RV antenna, and several articles on the Z match.

In his forward to No.6 K1ZZ says that the series first appeared in 1989, but that is the copyright date on my Volume 2. My Volume 1 bears a copyright of 1985 and I clearly remember purchasing it around that time. As I recall the first compendium originated from a QST contest for hams to produce multiband antennas for the new WARC bands. The series has an even longer legacy than the forward admits.

Volume 6 includes three articles by names that are familiar to QRP-Lers; two by L. B. Cebik, W4RNL, and one by Thomas Kuehl, AC7A. L. B. has an excellent article on two 10 M portable antennas as well as one on Moxon rectangles (which the table of contents indexes in a laughable error as Moxon Triangles!) Thomas has a great article on using flattop loaded vertical antennas with useful information for those of us who use our dipoles as top

loaded antennas on the low bands.

In addition to L. B.'s article on the Moxon rectangles there is a nice article on the VK2ABQ antenna from which the Moxon antenna is derived and AA2NN has a nice article on a 2 element 40 M Moxon which can be switched in direction. I think that these are significant articles for two reasons; other league publications such as the Handbook and Antenna Book have largely ignored the Moxon antennas even though they are compact antennas that are easy to construct. Indeed, in the last Antenna Book edition I could find no descriptions of two element parasitic antennas (Yagi-Uda) at all. This is sad as the Yagi-Uda antenna is much easier to understand if the analysis begins with the 2 element version. The compendium fills this gap.

Those of us who like to operate 160M can drool over K9AF's description of a full size 160 M antenna constructed from Rohn 25G. There is also a nice article by G3BZQ on a ferrite rod receive antenna designed for 160m/80M. The giant ferrite rod is fabricated from 12 smaller rods.

I was interested in K9LA's description of how he discovered a design flaw in his Teledyne Log Periodic and corrected it.

There is a description of N6XMW's propagation prediction program. The program is on the CD-ROM included with the book. W0YBF has a nice article on low angle radiation from HF antennas and describes some experiments he made on a Kauai beach in 1962. Fascinating stuff.

WB4MDC has some nice tips on waterproofing the ends of coax.

There are a half dozen articles on transmission lines including a very nice one by K4ERO on Filtuners, which are antenna tuners that incorporate bandpass characteristics.

Al Christman has had several articles over the years on elevated radials and he has an article on verticals with elevated radials over sloping ground. I live on such a lot so that was quite interesting to me.

All in all it is a good publication with lots of useful information. It is well worth the \$20 cover price. The ISBN number is 0-87259-743-1 if you want to order it from your local bookseller.

It has been snowing all day here. At last, a white christmas after a long dry winter fall and winter! - Dr. Megacyle KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 25 Dec 1999 16:50:34 -0600
From: Lee Bahr <bahr521@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [58810] LC Frequency Formula Program
Message-ID: <38654A3A.89C86411@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

By chance does anyone know the internet site with a program allowing one to plug into it two of the three unknowns to determine Frequency, Inductance, or Capacitance? I know there is such a site but I lost it and would like to use it again. It was great. I've spent half the day surching for this site and haven't come up with it yet! I could plug in capacitance and frequency and get the needed inductance. Poof, it was that fast. I'm trying to wind some 455 KHz IF transformers with ferrite donut cores and then link couple the two inductors. If anyone has done this, I sure would like to hear from you. I'm thinking of using some ferrite out of some line filters which are around one inch in diameter for the cores. Since they are somewhat self shielding, I think a link from one coil to the other should work well to make up an IF transformer. I just don't know the quantity of turns I'll need for the links to get the selectivity and sensitivity ratio similar to more conventional IF transformers. I'm thinking something like ten turns will be needed, but this is just a guess. Anyone try any of this or can give me the site URL for the formula?
Lee Bahr w0vt Houston

Date: Sat, 25 Dec 1999 17:03:36 cst
From: wj5o@juno.com
To: ianpurdie@integritynet.com.au, QRP-L@LEHIGH.EDU
Subject: [58811] Re: antenna restrictions/copper tube coils
Message-ID: <19991225.170848.-928889.3.WJ50@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Ian,
An additional approach to well shaped coils from copper tubing is torch heating and rapid quenching. Copper works the opposite of other metals and becomes very pliable. (for at least one reshaping).
Can be re-heated and quenched again if shaped in error.
73 Bill WJ50

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 25 Dec 1999 18:42:37 -0500 (EST)
From: Rich Mulvey <mulveyr@iname.com>
To: qrp-1@lehigh.edu
Subject: [58812] Who sells Kent paddles?
Message-ID: <XFMail.19991225184237.mulveyr@iname.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

Hi All:

Well, I managed to break one of the paddles on my Kent Iambic. Does anyone know who sells them these days? IIRC, Kent Engineering sold out to someone else, but I can't remember who!

Thanks,
- Rich

Date: Sat, 25 Dec 1999 15:47:25 -0800
From: "Radman" <radman@best.com>
To: <bahr521@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58813] Re: LC Frequency Formula Program
Message-ID: <027901bf4f32\$682864a0\$94dd56ce@vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Lee et al,

Try this *monster link* page:

URL: <http://www-sci.lib.uci.edu/HSG/RefCalculators4A.html>

Specifiacllly: <http://www.deephaven.co.uk/lc.html>

AND: <http://kowloon.eecs.berkeley.edu/~xsjiang/homepage/research/LC2.html>

Hope this helps,

73 - Conrad - NN6CW

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Lee Bahr w0vt Houston

End of QRP-L Digest 1680
